

REQUEST FOR PROPOSALS

MARICOPA ASSOCIATION OF GOVERNMENTS 2002 REGIONAL TRAFFIC VOLUME SURVEY

Maricopa Association of Governments
April 10, 2002

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REQUEST FOR PROPOSALS:

MARICOPA ASSOCIATION OF GOVERNMENTS

The Maricopa Association of Governments (MAG) is requesting proposals from qualified consultants to undertake a 2002 MAG Regional Traffic Volume Survey. The purpose of the study is to collect traffic volume data on arterial locations specified in the RFP in the MAG urbanized area. The traffic counts collected in this survey along with available counts from MAG member agencies will be used to create a count database and traffic count map. The estimated time frame for this project is 9 months from the date of the notice to proceed and the cost is not to exceed \$80,000.

Detailed proposal requirements may be obtained by contacting the MAG Office at the address indicated below or by visiting the MAG Website at <http://www.mag.maricopa.gov>. Please click on "About MAG" and then click on "RFPs". For further information please contact Qing Xia at (602) 254-6300 or email to qxia@mag.maricopa.gov.

Proposals will be accepted until 12:00 noon (Mountain Standard Time) on Wednesday, May 1, 2002 at MAG, 302 North 1st Avenue, Suite 300, Phoenix, Arizona 85003.

Scope of Work

PROBLEM STATEMENT

The FY 2002 MAG Unified Planning Work Program includes \$80,000 to conduct a regional arterial traffic volume survey. MAG has produced traffic count maps every two or three years since 1974. The last regional traffic volume survey was conducted in 1998. A count map was produced from this data in 1999. With rapid population growth and change of traffic patterns in the MAG region, it is necessary to conduct a new traffic volume survey and update our database.

The traffic volume data will be used to calibrate the MAG travel demand model, to accommodate the needs of MAG member agencies, traffic engineers, and the general public. The new traffic count map will be published on the MAG web site. Our long range plan is to collect traffic volumes at the same locations every two years and provide this information on the MAG web site.

Our goal is to have at least one traffic count for approximately every other mile section of arterial roadway in the MAG urbanized area. MAG has determined locations where counts from member agencies can be used in the traffic count database. Traffic counts not being done by MAG member agencies will be collected by the CONSULTANT.

PROJECT SUMMARY

The CONSULTANT will take machine traffic counts for the locations specified in this RFP (see Appendix F). The counts will be taken midway between arterial streets. Each location will contain two directional counts. The traffic counts that the CONSULTANT collects will be checked and put into a database. It is desired for the consultant to work with MAG and the various jurisdictions involved in this study to provide machine counts for as many major arterials in the MAG urban area as possible.

TRAFFIC COUNTER SETTING REQUIREMENTS

All traffic counts conducted by the CONSULTANT under this study shall adhere to the following specifications and conditions:

1. It is desired that traffic count will be taken in fall 2002, on a typical weekday, i.e. Tuesday, Wednesday or Thursday, and be of a forty-eight (48) hour total duration.
2. Recording intervals shall be fifteen (15) minutes.
3. The counts should be taken at midway between arterial streets.
4. All counts will be directional. All street locations with open, soil, raised (curbed) or barrier median can be counted with one traffic counter with two tubes. Locations that don't fit those criteria will be counted with two counters.

5. Our overall goal is to have at least one traffic count for every other mile section of arterial roadway. For those locations where there is construction or other unusual traffic conditions, the CONSULTANT will propose alternative count locations to the MAG project manager.
6. It is desired to classify the vehicles by the following 3 categories: light vehicles, medium trucks and heavy trucks. MAG will provide a look-up table to convert FHWA 13 categories of vehicle classification to the above 3 categories.

DATA FORMATTING AND SUBMITTAL SPECIFICATIONS

All collected traffic data provided to MAG under this study shall be submitted with the following conditions and requirements.

1. Site-specific electronic data files must be furnished in an electronic ASCII text file format for each site. The file must be CSV (comma separated value) formatted as agreeable to MAG, and have a filename extension of “.csv” so that the MS Excel program can open and view the files. The files shall be submitted on compact disc and named so they can be easily cross-referenced to the manifest.
2. To ensure data quality, it is desired to graph the volumes by 15-minute intervals using a count viewer program for each count.
3. A complete electronic (and hardcopy) manifest of all counts taken under this study shall be provided to MAG. This manifest should include, but is not limited to, the following information for each directional traffic count collected:
 - a. Count location (for example, street name)
 - b. Count reference street (for example, 500 ft east of 12th Street)
 - c. Travel directional information (for example, eastbound)
 - d. MAG Location ID (“MAGINDEX” column in Appendix F)
 - e. Raw count text file name
 - f. Start date and time of counts
 - g. Duration of count
4. A database including tables of the raw 48-hour and the best-estimate 24-hour data by 15-minute intervals for all the locations (by direction). The format of the table is shown in the Appendix G.

SCOPE OF SERVICE

The CONSULTANT is urged to be as specific as possible when describing the activities that will be performed to support each task. In preparing a proposal for consideration by MAG, the

CONSULTANT is encouraged to be innovative when specifying the work that will be done under the proposed tasks below. The services to be performed shall consist of the following tasks:

- Task 1. Determine time frame and schedule for the traffic data collection.
- Task 2. Review all proposed count locations specified in RFP and make any change as necessary. Submit to MAG project manager a list and a map of changes of locations.
- Task 3. Establish the proper format, database structure and reporting requirements for raw and processed data.
- Task 4. Collect the traffic data according to schedule.
- Task 5. Develop a count database in the format MAG specified in the Appendix G
- Task 6. Review the data, graph counts by 15-min intervals, and recount the locations that are necessary.
- Task 7. Deliver data and related documentation to MAG project manager.

QUALITY CONTROL PLAN

Data accuracy is the most important concern of any data collection project, and this is primarily a data collection project. Therefore, a Quality Control Plan is requested as part of the project proposal. The Quality Control Plan will be included in the scope of services for this project.

For all the data collected, quality control checks should be made. These checks will search for inconsistencies or unusually large variations between time intervals, and identify the locations where the counts appeared questionable. The quality control checks include, but are not limited to, conducting manual checks after the data for each count is downloaded and printed out, using a count viewer program that graphs the volume by 15-minute intervals, to look for inconsistencies between the same time periods of different days, and checking the consistencies and reasonableness of volumes along a given road. After the checks are made, any data that are identified as being inconsistent with overall travel patterns or otherwise “suspicious” should be cropped out – provided that at least 24 consecutive hours of “good” data still remain after the deletion. If this is not the case, the count should be dropped or redone with the new data replacing the questionable data in the databases. After these checks are made, a “Clean” database containing the good data of all locations will be generated and submitted to MAG.

PROPOSAL REQUIREMENTS

PROJECT SCHEDULE

The date of the notice to proceed is anticipated to be about August 1, 2002. A complete draft of this project documentation shall be submitted 9 months from the date of the notice to proceed.

PROPOSAL DELIVERY

1. Ten (10) copies of the proposal must be submitted by **12:00 noon** (Mountain Standard Time) on **Wednesday, May 1, 2002** to:

Maricopa Association of Governments
Attention: Qing Xia
302 North 1st Avenue, Third Floor
Phoenix, Arizona 85003

Timely receipt of proposals will be determined by the date and time the proposal is received at the above address. Therefore, hand delivery is encouraged to assure timely receipt.

The proposals received by the deadline noted above will be opened publicly and the name of each respondent submitting will be read at **1:00 pm** on **Wednesday, May 1, 2002** at the MAG Offices, Suite 200, Ocotillo Room, 302 North 1st Avenue, Phoenix, Arizona 85003.

All material submitted in response to this solicitation becomes the property of MAG and will not be returned.

2. Any questions regarding this Request for Proposals should be directed to the attention of Qing Xia at MAG, 302 North 1st Avenue, Suite 300, Phoenix, Arizona 85003, or by telephone at (602) 254-6300. The MAG fax number is (602) 254-6490 and questions can be posed electronically at qxia@mag.maricopa.gov
3. A proposers conference for the project has been scheduled for **Thursday, April 18, 2002** at 9:00am in the Saguaro Room at the MAG Office, Suite 200, 302 North 1st Avenue, Phoenix, Arizona.

PROPOSAL CONTENT

It is required that the proposal:

1. The proposal will include cover letter, résumés, and appendices. The cover letter must be signed by a party authorized to bind the entity submitting the proposal.

2. Be prefaced by a brief statement describing the proposer's organization and outlining its approach to completing the work required by this solicitation. This statement should illustrate the proposer's overall understanding of the project.
3. Contain a work plan, which concisely explains how the CONSULTANT will carry out the objectives of the project. In the work plan, the proposer should describe each project task and proposed approach to the task as clearly and thoroughly as possible.
4. Include a preliminary schedule for the project in bar-chart format. Indicate all work plan tasks and their durations.
5. Contain a staffing plan for the project. The plan should include the following in table format:
 - a. A project organization chart, identifying the project manager.
 - b. Names of key project team members and/or subconsultants. Only those personnel who will be working directly on the project should be cited.
 - c. The role and responsibility of each team member.
 - d. Percent effort (time) of each team member for the contract period.
 - e. The role and level of MAG technical staff support, if any.
6. The Disadvantaged Business Enterprise (DBE) participation goal for this proposal is 11 percent. DBEs proposed are required to be certified by ADOT or the City of Phoenix. Each proposal shall include the following information to meet the DBE requirements:
 - a. A clear and concise description of the work that each DBE will perform; and
 - b. The dollar amount of the participation of each DBE firm participating; or
 - c. If the 11 percent goal is not met, evidence of good faith efforts to meet the goal.
7. Include résumés for major staff members assigned to the project. These résumés should focus on their experience in this type of project.
8. Each firm submitting a proposal is required to certify that it will comply with, in all respects, the rules of professional conduct set forth in A.C.R.R. R4-30-301 (see Appendix A), which is the official compilation of Administrative Rules and Regulations for the State of Arizona.
9. Include proposer's recent experience (last five years) in performing work similar to that anticipated herein. This description shall include the following:
 - a. Date of project.
 - b. Name and address of client organization.

- c. Name and telephone number of individual in the client organization who is familiar with the project.
 - d. Short description of project.
 - e. CONSULTANT team members involved and their roles.
- 10. A labor cost allocation budget formatted as noted in Appendix B.
- 11. All firms proposing on this project will be required to include a “*Proposer’s Registration Form*” (See Appendix C) in the submitted proposal. In addition, a “*Proposer’s Registration Form*” is required to be included for each subcontractor proposed for this project.
- 12. Each firm shall document within its proposal any potential conflicts of interest. A conflict of interest shall be cause for disqualifying a CONSULTANT from consideration. A potential conflict of interest includes, but is not limited to:
 - a. Accepting an assignment where duty to the client would conflict with the CONSULTANT’S personal interest, or interest of another client.
 - b. Performing work for a client or having an interest which conflicts with this contract.
 - c. Employing personnel who worked for MAG or one of its member agencies within the past three years.

MAG will be the final determining body as to whether a conflict of interest exists.

PROPOSAL EVALUATION AND SELECTION PROCESS

1. All proposals will be evaluated by an evaluation group. Evaluation criteria include the following:
 - a. Demonstrated understanding of the project through a well-defined work plan consistent with program objectives.
 - b. Clarity of proposal, realistic approach, technical soundness, and enhancements to elements outlined in this Request for Proposals.
 - c. Experience of Project Manager and other project personnel in similar studies. Only those personnel assigned to work directly on the project should be cited.
 - d. Proven track record in this area of study. Proposers should identify the principal people who worked on past projects and the amount of time they devoted to the work effort.
 - e. Availability of key personnel throughout the project effort.
 - f. Ability and commitment to complete the project within the specified time period, meet all deadlines for submitting associated work products, and insure quality control.
 - g. Recognition of work priorities and flexibility to deal with change and contingencies.
2. On the basis of the above evaluation criteria, selected firms submitting proposals may be interviewed prior to the selection of a CONSULTANT. MAG strongly suggests that the Project Manager and key members of the CONSULTANT team be present at the interview.
3. The Maricopa Association of Governments may conduct discussions with offerors who submit proposals determined to be reasonably susceptible of being selected for award.
4. The Maricopa Association of Governments reserves the right to:
 - a. Cancel this solicitation.
 - b. Reject any and all proposals and re-advertise.
 - c. Select the proposal(s) that, in its judgment, will best meet its needs.
 - d. Negotiate a contract that covers selected parts of a proposal, or a contract that will be interrupted for a period or terminated for lack of funds.

ADMINISTRATIVE REQUIREMENTS

1. This Request for Proposals is for a cost-reimbursement plus fixed fee contract.
 2. During the course of the project, a monthly progress report is required to be submitted within ten (10) working days after the end of each month until the final report is submitted. Each report shall include a comprehensive narrative of the activities performed during the month, an estimated percent complete for each project task, monthly and cumulative costs by task, activities of any subcontractors, payments to any subcontractors, a discussion of any notable issues or problems being addressed, and a discussion of anticipated activities for the next month (See Appendix D for format).
 3. MAG shall retain ten percent (10%) of the contract amount, withheld from each invoice, as final payment until completion of the project to the satisfaction and acceptance of the work. Final payment shall be made after acceptance of the final product and invoice.
 4. An audit examination of the CONSULTANT'S records may be required.
 5. The firm that is selected will be required to comply with Titles VI and VII of the Civil Rights Act of 1964. The contractor will comply with Executive Order 11246, entitled Equal Employment Opportunity, as amended by Executive Order 11375 and as supplemented in Department of Labor Regulations (41 CFR Part 60). The contractor will also be required to comply with all applicable laws and regulations of the U.S. Department of Transportation.
 6. The firm selected will be required to comply with MAG insurance requirements, which may include: Workmen's Compensation, Architects and Engineers Professional Liability insurance, Comprehensive General Liability insurance, Business Automobile Liability insurance, and Valuable Papers insurance.
 7. The firm selected is required to document any potential conflicts of interest during the contract period. A conflict of interest shall be cause for terminating a contract. A potential conflict of interest includes, but is not limited to:
 - a. Accepting an assignment where duty to the client would conflict with the CONSULTANT'S personal interest, or interest of another client.
 - b. Performing work for a client or having an interest which conflicts with this contract.
 - c. Employing personnel who worked for MAG or one of its member agencies within the past three years.
- MAG will be the final determining body as to whether a conflict of interest exists.
8. The firm that is selected will be required to comply with the MAG Disadvantaged Business Enterprise (DBE) Program requirements. The annual overall DBE goal is 11 percent. See Appendix E for a summary of "MAG's Key DBE Regulatory

Requirements.” A complete copy of MAG’s DBE Program is available on the MAG website at www.mag.maricopa.gov.

9. The firm that is selected to undertake the Regional Wide Area Network Study will be precluded from proposing on the implementation of the Regional Wide Area Network to avoid any conflict of interest or the appearance of a conflict of interest.

APPENDIX A

ARIZONA ADMINISTRATIVE CODE R4-30-301

ARTICLE 3. REGULATORY PROVISION

R4-30-301. Rules of professional conduct:

- A. All registrants shall comply substantially with the following standards of professional conduct:
1. A registrant shall not submit any materially false statements or fail to disclose any material facts requested in connection with his application for certification.
 2. A registrant shall not engage in fraud, deceit, misrepresentation, or concealment of material facts in advertising, soliciting, or providing professional services to members of the public.
 3. A registrant shall not knowingly sign, stamp, or seal any plans, drawings, blueprints, land surveys, reports, specifications, or other documents not prepared by the registrant or his bona fide employee.
 4. A registrant shall not knowingly commit bribery of a public servant as proscribed in A.R.S. 13-2602, or knowingly commit commercial bribery as proscribed in A.R.S. 13-2605, or violate any Federal statute concerning bribery.
 5. A registrant shall comply with all Federal, State, and local building, fire, safety, real estate, and mining codes, and any other laws, codes, ordinances, or regulations pertaining to the registrant's professional practice.
 6. A registrant shall not violate any State or Federal criminal statute involving fraud, misrepresentation, embezzlement, theft, forgery, or breach of fiduciary duty, where the violation is related to the registrant's professional practice.
 7. A registrant shall apply the technical knowledge and skill which would be applied by other qualified registrants who practice the same profession; a contemporary "Manual of Surveying Instructions" issued by the Bureau of Land Management, United States Department of Interior and in effect prior to May 23, 1983 to the extent applicable to that professional engagement.
 8. A registrant shall not accept an assignment where the duty to a client or the public would conflict with the registrant's personal interest or the interest of another client without full disclosure of all material facts of the conflict to each person who might be related to or affected by the project or engagement in question.
 9. A registrant shall not accept compensation for services related to the same project or professional engagement for more than one party without making full

disclosure to all such parties and obtaining the express written consent of all parties involved.

10. Except as provided in Paragraph 11 of this rule, a registrant shall not accept any professional engagement or assignment outside his professional registration unless:
 - a. He is qualified by education, technical knowledge, or experience to perform such work, and
 - b. Such work is both necessary and incidental to the work of his profession on that specific engagement or assignment.

A registered professional engineer may accept professional engagements or assignments in branches of engineering other than that branch in which he has demonstrated proficiency by registration, but only if he has the education, technical knowledge, or experience to perform such engagements or assignments.

11. Except as otherwise provided by law, code, ordinance, or regulation, a registrant may act as the prime professional for a given project and select collaborating professionals; however, the registrant shall perform only those professional services for which he is qualified by registration to perform and shall seal and sign only the work prepared by him or by his bona fide employee working under his direct supervision.
12. A registrant shall make full disclosure to all parties concerning:
 - a. Any transaction involving payments to any person for the purpose of securing a contract, assignment, or engagement, except for actual and substantial technical assistance in preparing the proposal; or
 - b. Any monetary, financial, or beneficial interest the registrant may hold in a contracting firm or other entity providing goods or services, other than the registrant's professional services, to a project or engagement.
13. A registrant shall not solicit, receive, or accept compensation from material, equipment, or other product or services suppliers for specifying or endorsing their products, goods, or services to any client or other person without full written disclosure to all parties.

8/31/83 Supp. 834

APPENDIX B

LABOR COST ALLOCATION BUDGET

LABOR COST ALLOCATION BUDGET

SAMPLE

CONSULTANTS											
Person	Total Hourly Rate	1	2	3	4	5	6	7	8	Total Hours	Total Cost
(NAME)	\$0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$00.00
(NAME)	\$0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$00.00
(NAME)	\$0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$00.00
(NAME)	\$0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$00.00
Total Hours		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$00.00
Total Cost		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Hours Inception to Date		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

REIMBURSABLE EXPENSES		EXPENSES BY TASK									
Description		1	2	3	4	5	6	7	8	Total Cost	
Office Supplies		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Computer Time		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Travel		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Miscellaneous		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
*any other category as needed (e.g., aerial photos)		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total Reimbursable Expenses		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

SUBCONTRACTORS		HOURS BY TASK									
Company		1	2	3	4	5	6	7	8	Total Cost	% of Grand Total
(NAME)		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
(NAME)		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total Cost		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Hours Inception to Date		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

GRAND TOTAL		TOTAL COSTS BY TASK									
Description		1	2	3	4	5	6	7	8	Total	
Consultant Cost		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Reimbursable Expenses		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Subcontractors		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Sub-Total		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Fee@	0.10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
GRAND TOTAL		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

APPENDIX C

PROPOSER'S REGISTRATION FORM

PROPOSER'S REGISTRATION FORM

All firms proposing as prime contractors or subcontractors on Maricopa Association of Governments (MAG) projects are required to be registered. **Please complete this form and return it with your proposal.**

If you have any questions about this registration form, please call Art Rullo, Fiscal Services Manager, (602) 254-6300.

1. GENERAL INFORMATION:

Name of Firm:

Street Address:
City, State, ZIP

Mailing Address:
City, State, ZIP

Telephone Number:

Fax Number:

E-mail address:

Web address:

Year firm was established:

Check all that apply:

Is this firm a prime consultant? _____

Is this firm a sub-consultant? _____

Is this firm a certified DBE? _____

Is this firm currently debarred? _____

Is this firm currently the subject of debarment proceeding? _____

Identify specialty: _____

If so, by whom? _____

2. FINANCIAL INFORMATION

Firm's annual gross receipts (average of last 3 years):

_____ <\$300,000

_____ \$300,000 - \$599,999

_____ \$600,000 - \$999,999

_____ \$1,000,000 - \$4,999,999

_____ >\$5,000,000

Information will be maintained as confidential to the extent allowed by federal and state law.

The undersigned swears that the above information is correct. Any material misrepresentation may be grounds for terminating any contract which may be awarded and initiating action under federal and state laws concerning false statements.

Name, Title

Date

APPENDIX D

PROGRESS REPORT FORMAT

(Project Costs by Task Format)

(Contractor's Letterhead)

TIN 23-6016952 (TAXPAYER ID NUMBER)

April 15, 1999

IN ACCOUNT WITH: Maricopa Association of Governments
302 North First Avenue, Suite 300
Phoenix, Arizona 85003

ATTENTION: MAG Fiscal Services

PROFESSIONAL SERVICES: (NAME OF PROJECT)
Contract # _____ dated (MM/DD/YY)

Project Costs by Task
(DATE OF INVOICE)

			Estimated Completion To Date			
Task Number	Description	Estimated Task Budget	Percentage	Amount	Amount Previously Billed	Amount This Invoice
1	Data Collection	\$0.00	0%	\$0.00	\$0.00	\$0.00
2	Inventory	\$0.00	0%	\$0.00	\$0.00	\$0.00
3	Forecasts	\$0.00	0%	\$0.00	\$0.00	\$0.00
4	Demand/Capacity Analysis and Facility Requirements	\$0.00	0%	\$0.00	\$0.00	\$0.00
5	Alternatives	\$0.00	0%	\$0.00	\$0.00	\$0.00
6	Evaluation of Alternatives	\$0.00	0%	\$0.00	\$0.00	\$0.00
7	Recommendations	\$0.00	0%	\$0.00	\$0.00	\$0.00
8	Implementation	\$0.00	0%	\$0.00	\$0.00	\$0.00
	TOTAL BUDGET	\$0.00	0%	\$0.00	\$0.00	\$0.00

NOTE: The total amount billed for each task in the task budget cannot exceed 100% of the original budget.
(Hours and Costs by Task Format)

INVOICE #3
PERIOD: March 1999

COSTS AND HOURS BY TASK

CONSULTANTS											
Person	Direct Labor Hourly Rate	1	2	3	4	5	6	7	8	Total Hours	Total Cost
(NAME)	\$0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$00.00
(NAME)	\$0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$00.00
(NAME)	\$0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$00.00
(NAME)	\$0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$00.00
Total Hours		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$00.00
Total Cost		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Hours Inception to Date		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

REIMBURSABLE EXPENSES		EXPENSES BY TASK									
Description		1	2	3	4	5	6	7	8	Total Cost	
Postage		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Photocopy/Printing		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Travel		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Telephone		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Miscellaneous		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Aerial Photos		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total Reimbursable Expenses		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

SUBCONTRACTORS		HOURS BY TASK									
Person	Hourly Rate	1	2	3	4	5	6	7	8	Total Hours	Total Cost
(NAME)	\$0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
(NAME)	\$0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
Total Hours		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
Total Cost		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Hours Inception to Date		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

GRAND TOTAL		TOTAL COSTS BY TASK									
Description		1	2	3	4	5	6	7	8	Total	
Consultant Cost		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Consultant Overhead@	1.80	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Reimbursable Expenses		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Subcontractors		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Sub-Total		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Fee@	0.10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
GRAND TOTAL		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

(Progress Report Format - SAMPLE)

(Consultant's Letterhead)

April 15, 2000

(MAG Project Manager)

Maricopa Association of Governments

302 North First Avenue, Suite 300

Phoenix, Arizona 85003

Re: Progress Report No. 3 and Invoice for the Period of March 2000

For Each Task, the consultant is to provide the percent of work completed to date, a narrative describing the work accomplished, data obtained, problems encountered, meetings held and reports and/or data produced. It is the responsibility of the consultant to document that the work accomplished for each task during the reporting period is commensurate with the amount of money billed for the task in the invoice.

The narrative describing the work accomplished should be of sufficient detail to enable the Project Manager to clearly understand the progress on the task during the reporting period. Wherever possible, the consultant should submit along with the progress report appropriate documentation of work accomplished, such as partial or complete draft technical reports or working papers, etc.

TASK 1 - DATA COLLECTION

Percent of Work Completed: 100 percent.

Work Accomplished: A database in both hard copy and electronic format was developed and a methodology for keeping the database current was established.

Data Obtained: Information on the transportation facilities was secured for each of the facilities in the study area. The data included, but was not limited to: name, location, and current and historical traffic levels.

Meetings Held: The following meetings were held in connection with the data collection effort:

March 15, 2000, with the MAG project manager to review data collected for the facilities.

March 21, 2000, with the Advisory Committee to obtain input on the data collection process.

March 23, 2000, with MAG staff to review comments on preliminary database.

March 25, 2000, with the public and special interest groups to obtain input on the distribution of the database.

Reports or Data Produced: A database in electronic format was produced and provided to MAG staff on March 29, 2000.

(Progress Report Format - SAMPLE)

TASK 2 - INVENTORY

Percent of Work Completed: 100 percent.

Work Accomplished: A facilities inventory was completed, and the data obtained in Task 1 were compiled into a Draft Inventory Technical Report for distribution to the Advisory Committee.

Data Obtained: See Task 1.

Meetings Held: The following meetings were held:

March 1, 2000, met with MAG staff to finalize the outline for the Inventory Technical Report.

March 10, 2000, met with the MAG project manager to obtain suggestions on methods for comparing facility information.

Reports or Data Produced: A draft Inventory Technical Report was produced and distributed to members of the Advisory Committee for review and comment.

TASK 3 - FORECASTS

Percent of Work Completed: 100 percent.

Work Accomplished: Forecasts of travel demand on inventoried facilities were prepared for 2000, 2010 and 2020. The forecasts were consistent with County control totals reviewed by the Advisory Committee last month. The forecasts included a breakdown by facility type.

Data Obtained: See Task 1.

Meetings Held: March 21, 2000, met with MAG staff to discuss comments on preliminary forecast results.

Reports or Data Produced: A draft forecasts report was produced and distributed to members of the Advisory Committee for review and comment.

TASK 4 - DEMAND/CAPACITY ANALYSIS AND FACILITY REQUIREMENTS

Percent of Work Completed: 60 percent.

Work Accomplished: An hourly capacity was computed for each of the inventoried facilities using the federal guidance provided by MAG staff.

Data Obtained: See Task 1.

Meetings Held: A meeting was held on March 25, 2000 to discuss the differences between the capacity calculations for this study versus previous studies.

(Progress Report Format - SAMPLE)

Reports or Data Produced: None. However, a draft set of capacity estimates is enclosed documenting the assumptions and data input used to prepare the estimates.

TASK 5- ALTERNATIVES

Percent of Work Completed: 25 percent.

Work Accomplished: Other regional plans were examined to determine the type of alternatives that were used to meet future demand.

Data Obtained: Regional plans from San Diego, Los Angeles, Denver, Seattle Tucson and Chicago were collected.

Meetings Held: On March 18, 2000, a meeting was held with planners for the Pima Association of Governments to discuss alternatives.

Reports or Data Produced: None.

TASK 6 - EVALUATION OF ALTERNATIVES

Work on this task has not begun.

TASK 7 - RECOMMENDATIONS

Work on this task has not begun.

TASK 8 - IMPLEMENTATION

Work on this task has not begun.

Problems Encountered

Some of the capacity calculations prepared for the study were different from the capacity calculations used in previous studies. These differences were discussed and resolved at a meeting held with MAG staff on March 25, 2000.

Invoice: The enclosed invoice is for the third progress payment of \$17,679.20. The total amount billed to date is \$48,250.00.

Sincerely,

Project Manager Name
Project Manager Title

APPENDIX E

MAG'S KEY DBE REGULATORY REQUIREMENTS

SUMMARY OF MAG’S KEY DISADVANTAGED BUSINESS ENTERPRISE (DBE) PROGRAM REQUIREMENTS FOR CONSULTANT CONTRACTS

The Disadvantaged Business Enterprise (DBE) requirements in the Code of Federal Regulations Title 49, Part 26 will apply to this contract. A complete copy of MAG’s DBE Program is available on the MAG website at www.mag.maricopa.gov. Please contact MAG Fiscal Services Manager, DBE Liaison Officer, at 602-254-6300 with any questions.

DBE Participation Goal and Reporting:

The DBE participation goal for this contract is 11 percent of the contract award. DBEs used for this contract are required to be certified by the Arizona Department of Transportation or the City of Phoenix prior to the award of the contract. A list of Certified DBE organizations is available at the Civil Rights Office of the Arizona Department of Transportation (602-712-7761) or the City of Phoenix, Equal Opportunity Department (602-262-6790).

The CONSULTANT will be required to report monthly on:

- (1) the utilization of any subcontractors (DBE and Non-DBEs), number of hours worked, and costs incurred; and
- (2) any payments made to subcontractors (DBEs and non-DBEs).

Contractor and Subcontractor Assurance:

MAG will incorporate into each contract it signs with a Prime Contractor, and require in each subcontract (that a Prime Contractor signs with a Subcontractor), the following assurance:

“The Contractor, Subrecipient or Subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR 26 in the award and administration of USDOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as MAG deems appropriate.”

Prompt Payment Provision:

“The Prime Contractor will pay Subcontractors for satisfactory performance of contracts no later than fourteen (14) calendar days from the date that the Prime Contractor receives payment from MAG. The Prime Contractor will also return retention payments to the Subcontractor within fourteen (14) calendar days from the date of satisfactory completion of work.”

Prime Contractors Shall:

- Provide the Subcontractor with the name, address and phone number of the person to whom all invoices/billings and statements shall be sent.

- Pay Subcontractors and suppliers within fourteen (14) days of receipt of payment from MAG.
- Stipulate the reason(s) in writing to the subcontractor and to MAG for not abiding by the prompt payment provision. Some possible reasons include:
 1. Failure to provide all required documentation
 2. Unsatisfactory job performance
 3. Disputed work
 4. Failure to comply with other material provisions of the contract
 5. Third-party claims filed or reasonable evidence that a claim will be filed
 6. Reasonable evidence that the contract cannot be completed for the unpaid balance of the contract sum or a reasonable amount for retainage.

Subcontractors Shall:

1. Submit invoices or billing statements to the Prime Contractor's designated contact person in an appropriate format and in a timely manner. The format and the timing of billing statements shall be specified in the contract(s) between the Prime Contractor and the Subcontractor(s).
2. Notify MAG in writing of any potential violation of the prompt payment provision.

MAG will implement appropriate mechanisms to ensure compliance with the requirements of all program participants.

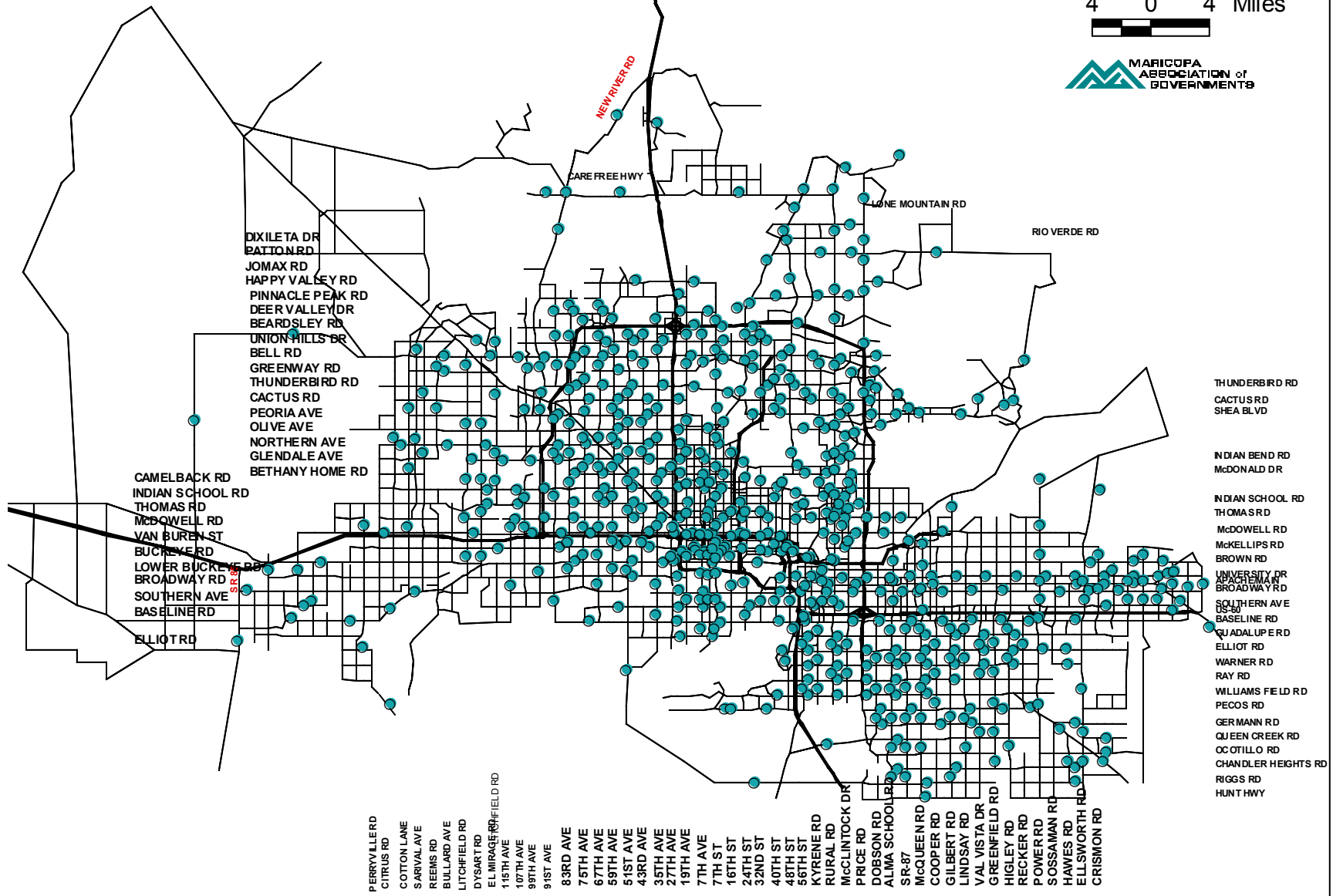
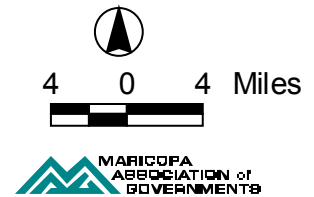
The mechanisms MAG may use, include, but are not limited to:

1. MAG will notify Subcontractors (DBE and Non-DBEs) of the Prime Contractor's responsibility for prompt payment and encourage Subcontractors to notify MAG in writing with any possible violations to the prompt payment mechanism.
2. Withholding payment from Prime Contractors that do not comply with the prompt payment provision noted above, where it has been determined by the MAG DBE Liaison Officer that delay of payment to the Subcontractor is not justified.
3. Stopping work on the contract until compliance issues are resolved.
4. Terminating the contract.

APPENDIX F

COUNT LOCATIONS

2002 MAG Traffic Volume Survey Count Locations



No.	MAG_INDEX	Street_On	SUF	ST_NAME1	SUF1	ST_NAME2	SUF2
1	1382	107TH	AV	MCDOWELL	RD	THOMAS	RD
2	1384	107TH	AV	INDIAN SCHOOL	RD	CAMELBACK	RD
3	1388	107TH	AV	PEORIA	AV	ALABAMA	AV
4	1370	115TH	AV	BROADWAY	RD	LOWER BUCKEYE	RD
5	1374	115TH	AV	MCDOWELL	RD	THOMAS	RD
6	9130	163RD	AV	GLENDALE	AV	NORTHERN	AV
7	9128	163RD	AV	CACTUS	RD	WADDELL	RD
8	1295	163RD	AV	GLENDALE	AV	NORTHERN	AV
9	1803	16TH	ST	I10		MCDOWELL	RD
10	1806	16TH	ST	THOMAS	RD	OSBORN	RD
11	1800	16TH	ST	BUCKEYE	RD	WASHINGTON	ST
12	1814	16TH	ST	GLENDALE	AV	NORTHERN	AV
13	1797	16TH	ST	BROADWAY	RD	UNIVERSITY	DR
14	10001	179TH	AV	RAY	RD	GERMANN	RD
15	1670	19TH	AV	UNION HILLS	DR	BEARDSLEY	RD
16	1643	19TH	AV	SOUTHERN	AV	BROADWAY	RD
17	1651	19TH	AV	I10		MCDOWELL	RD
18	1654	19TH	AV	THOMAS	RD	OSBORN	RD
19	1657	19TH	AV	CAMELBACK	RD	MISSOURI	AV
20	1661	19TH	AV	GLENDALE	AV	NORTHERN	AV
21	1668	19TH	AV	GREENWAY	RD	BELL	RD
22	2740	19TH	AVE	BUCKEYE	ST	JESSERSON	ST
23	1664	19TH	AV	HATCHER	RD	PEORIA	AV
24	1818	24TH	ST	BASELINE	RD	SOUTHERN	AV
25	1820	24TH	ST	BROADWAY	RD	I10	
26	1825	24TH	ST	I10		MCDOWELL	RD
27	1828	24TH	ST	THOMAS	RD	OSBORN	RD
28	1832	24TH	ST	CAMELBACK	RD	LINCOLN	DR
29	1599	27TH	AV	BUCKEYE	RD	JEFFERSON	ST
30	1604	27TH	AV	MCDOWELL	RD	THOMAS	RD
31	1609	27TH	AV	BETHANY HOME	RD	GLENDALE	AV
32	1851	32ND	ST	SOUTHERN	AV	BROADWAY	RD
33	1852	32ND	ST	WASHINGTON	ST	VAN BUREN	ST
34	1868	32ND	ST	UNION HILLS	DR	BEARDSLEY	RD
35	1864	32ND	ST	CACTUS	RD	THUNDERBIRD	RD
36	1857	32ND	ST	THOMAS	RD	OSBORN	RD
37	1861	32ND	ST	CAMELBACK	RD	MCDONALD	DR
38	1854	32ND	ST	A202		MCDOWELL	RD
39	1578	35TH	AV	MCDOWELL	RD	THOMAS	RD
40	1572	35TH	AV	BASELINE	RD	SOUTHERN	AV
41	1592	35TH	AV	BEARDSLEY	RD	DEER VALLEY	RD
42	1590	35TH	AV	BELL	RD	UNION HILLS	DR
43	1586	35TH	AV	PEORIA	AV	CACTUS	RD
44	1584	35TH	AV	NORTHERN	AV	DUNLAP	AV
45	1580	35TH	AV	INDIAN SCHOOL	RD	CAMELBACK	RD

No.	MAG_INDEX	Street_On	SUF	ST_NAME1	SUF1	ST_NAME2	SUF2
46	1574	35TH	AV	BROADWAY	RD	LOWER BUCKEYE	RD
47	1581	35TH	AV	CAMELBACK	RD	BETHANY HOME	RD
48	1878	40TH	ST	VAN BUREN	ST	A202	
49	1882	40TH	ST	INDIAN SCHOOL	RD	CAMPBELL	AV
50	1886	40TH	ST	THUNDERBIRD	RD	GREENWAY	RD
51	1884	40TH	ST	SHEA	BLVD	CACTUS	RD
52	1874	40TH	ST	SOUTHERN	AV	BROADWAY	RD
53	1564	43RD	AV	OLIVE	AV	PEORIA	AV
54	1568	43RD	AV	GREENWAY	RD	BELL	RD
55	1570	43RD	AV	UNION HILLS	DR	BEARDSLEY	RD
56	1562	43RD	AV	GLENDALE	AV	NORTHERN	AV
57	1558	43RD	AV	THOMAS	RD	INDIAN SCHOOL	RD
58	1556	43RD	AV	VAN BUREN	ST	I10	
59	1891	44TH	ST	A202		MCDOWELL	RD
60	1895	44TH	ST	CAMELBACK	RD	MCDONALD	DR
61	1902	48TH	ST	WARNER	RD	ELLIOT	RD
62	1906	48TH	ST	SOUTHERN	AV	BROADWAY	RD
63	1904	48TH	ST	GUADALUPE	RD	BASELINE	RD
64	9314	51ST	AV	PECOS	RD	ESTRELLA	DR
65	1534	51ST	AV	LOWER BUCKEYE	RD	BUCKEYE	RD
66	1536	51ST	AV	VAN BUREN	ST	I10	
67	1539	51ST	AV	THOMAS	RD	INDIAN SCHOOL	RD
68	1541	51ST	AV	CAMELBACK	RD	BETHANY HOME	RD
69	1543	51ST	AV	GLENDALE	AV	NORTHERN	AV
70	1545	51ST	AV	OLIVE	AV	PEORIA	AV
71	1547	51ST	AV	CACTUS	RD	THUNDERBIRD	RD
72	2744	51ST	AVE	UNION HILLS	DR	BEARDSLEY	RD
73	1934	56TH	ST	INDIAN SCHOOL	RD	CAMELBACK	RD
74	1925	56TH	ST	ELLIOT	RD	GUADALUPE	RD
75	1922	56TH	ST	CHANDLER	BLVD	RAY	RD
76	1936	56TH	ST	CACTUS	RD	THUNDERBIRD	RD
77	1515	59TH	AV	BETHANY HOME	RD	GLENDALE	AV
78	1507	59TH	AV	LOWER BUCKEYE	RD	BUCKEYE	RD
79	1509	59TH	AV	VAN BUREN	ST	I10	
80	1513	59TH	AV	INDIAN SCHOOL	RD	CAMELBACK	RD
81	1517	59TH	AV	NORTHERN	AV	OLIVE	AV
82	1519	59TH	AV	PEORIA	AV	CACTUS	RD
83	1523	59TH	AV	BELL	RD	UNION HILLS	DR
84	1525	59TH	AV	BEARDSLEY	RD	DEER VALLEY	RD
85	1511	59TH	AV	MCDOWELL	RD	THOMAS	RD
86	1960	64TH	ST	GREENWAY	RD	BELL	RD
87	1492	67TH	AV	BETHANY HOME	RD	GLENDALE	AV

No.	MAG_INDEX	Street_On	SUF	ST_NAME1	SUF1	ST_NAME2	SUF2
88	1484	67TH	AV	BROADWAY	RD	LOWER BUCKEYE	RD
89	1503	67TH	AV	DEER VALLEY	RD	PINNACLE PEAK	RD
90	1501	67TH	AV	UNION HILLS	DR	BEARDSLEY	RD
91	1499	67TH	AV	GREENWAY	RD	BELL	RD
92	1494	67TH	AV	NORTHERN	AV	OLIVE	AV
93	1488	67TH	AV	MCDOWELL	RD	THOMAS	RD
94	1486	67TH	AV	BUCKEYE	RD	VAN BUREN	ST
95	1490	67TH	AV	INDIAN SCHOOL	RD	CAMELBACK	RD
96	1971	68TH	ST	THOMAS	RD	OSBORN	RD
97	1472	75TH	AV	BETHANY HOME	RD	GLENDALE	AV
98	1481	75TH	AV	BEARDSLEY	RD	DEER VALLEY	RD
99	1479	75TH	AV	BELL	RD	UNION HILLS	DR
100	1478	75TH	AV	THUNDERBIRD	RD	GREENWAY	RD
101	1476	75TH	AV	PEORIA	AV	CACTUS	RD
102	1466	75TH	AV	BUCKEYE	RD	VAN BUREN	ST
103	1474	75TH	AV	NORTHERN	AV	OLIVE	AV
104	1468	75TH	AV	MCDOWELL	RD	THOMAS	RD
105	2013	76TH	ST	MCDOWELL	RD	THOMAS	RD
106	1776	7TH	ST	PEORIA	AV	CACTUS	RD
107	1755	7TH	ST	SOUTHERN	AV	BROADWAY	RD
108	1757	7TH	ST	LOWER BUCKEYE	RD	I17	
109	1762	7TH	ST	VAN BUREN	ST	I10	
110	1764	7TH	ST	MCDOWELL	RD	OAK	ST
111	1768	7TH	ST	INDIAN SCHOOL	RD	CAMELBACK	RD
112	1714	7TH	AV	UNION HILLS	DR	BEARDSLEY	RD
113	1774	7TH	ST	NORTHERN	AV	DUNLAP	AV
114	7019	7TH	ST	DOBBINS	RD	BASELINE	RD
115	1777	7TH	ST	THUNDERBIRD	RD	GREENWAY	PKWY
116	1779	7TH	ST	BELL	RD	UNION HILLS	DR
117	1781	7TH	ST	BEARDSLEY	RD	DEER VALLEY	RD
118	7012	7TH	AV	DOBBINS	RD	BASELINE	RD
119	8023	7TH	ST	BUCKEYE	RD	JEFFERSON	ST
120	1772	7TH	ST	MARYLAND	AV	GLENDALE	AV
121	1693	7TH	AV	LOWER BUCKEYE	RD	I17	
122	1709	7TH	AV	GLENDALE	AV	NORTHERN	AV
123	1705	7TH	AV	CAMELBACK	RD	MISSOURI	AV
124	1699	7TH	AV	I10		MCDOWELL	RD
125	1696	7TH	AV	GRANT	ST	WASHINGTON	ST
126	1699	7TH	AV	I10		MCDOWELL	RD
127	1691	7TH	AV	SOUTHERN	AV	BROADWAY	RD
128	1445	83RD	AV	LOWER BUCKEYE	RD	BUCKEYE	RD
129	1463	83RD	AV	DEER VALLEY	RD	PINNACLE PEAK	RD

No.	MAG_INDEX	Street_On	SUF	ST_NAME1	SUF1	ST_NAME2	SUF2
130	1455	83RD	AV	OLIVE	AV	GRAND	AV
131	1459	83RD	AV	GREENWAY	RD	BELL	RD
132	1453	83RD	AV	GLENDALE	AV	NORTHERN	AV
133	1457	83RD	AV	CACTUS	RD	THUNDERBIRD	RD
134	1451	83RD	AV	CAMELBACK	RD	BETHANY HOME	RD
135	1447	83RD	AV	VAN BUREN	ST	I10	
136	1461	83RD	AV	UNION HILLS	DR	BEARDSLEY	RD
137	1342	8TH	ST	YUMA	RD	VAN BUREN	ST
138	1437	91ST	AV	GLENDALE	AV	NORTHERN	AV
139	1434	91ST	AV	INDIAN SCHOOL	RD	CAMELBACK	RD
140	1427	91ST	AV	SOUTHERN	AV	BROADWAY	RD
141	6002	91ST	AV	THUNDERBIRD	AV	BELL	RD
142	9004	91ST	AV	DEER VALLEY	RD	PINNACLE PEAK	RD
143	1442	91ST	AV	UNION HILLS	DR	BEARDSLEY	RD
144	1439	91ST	AV	OLIVE	AV	PEORIA	AV
145	1411	99TH	AV	GRAND	AV	THUNDERBIRD	RD
146	1409	99TH	AV	PEORIA	AV	ALABAMA	AV
147	1398	99TH	AV	LOWER BUCKEYE	RD	BUCKEYE	RD
148	1413	99TH	AV	GREENWAY	RD	BELL	RD
149	9317	A303		NORTHERN	AV	OLIVE	AV
150	2100	ALMA SCHOOL	RD	RIGGS	RD	CHANDLER HEIGHTS	RD
151	2106	ALMA SCHOOL	RD	CHANDLER	BLVD	RAY	RD
152	2108	ALMA SCHOOL	RD	WARNER	RD	ELLIOT	RD
153	2110	ALMA SCHOOL	RD	GUADALUPE	RD	BASELINE	RD
154	2113	ALMA SCHOOL	RD	SOUTHERN	AV	BROADWAY	RD
155	2104	ALMA SCHOOL	RD	GERMANN	RD	PECOS	RD
156	2115	ALMA SCHOOL	RD	MAIN	ST	UNIVERSITY	DR
157	2102	ALMA SCHOOL	RD	OCOTILLO	RD	QUEEN CREEK	RD
158	2117	ALMA SCHOOL	RD	MOUNTAIN VIEW	DR	MCLELLAN	RD
159	20310	ANTHEM WAY		I17		GAVILAN PEAK	PKWY
160	876	APACHE	BLVD	MILL	AV	RURAL	RD
161	878	APACHE	BLVD	MCCLINTOCK	DR	PRICE	RD
162	895	APACHE	TRL	CRISMON	RD	SIGNAL BUTTE	RD
163	901	APACHE	TRL	SUPERSTITION	BLVD	TOMAHAWK	RD
164	893	APACHE	TRL	HAWES	RD	ELLSWORTH	RD
165	897	APACHE	TRL	MERIDIAN	DR	IRONWOOD	DR
166	2132	ARIZONA	AV	RIGGS	RD	CHANDLER HEIGHTS	RD
167	2142	ARIZONA	AV	GUADALUPE	RD	BASELINE	RD
168	2140	ARIZONA	AV	WARNER	RD	ELLIOT	RD
169	2136	ARIZONA	AV	GERMANN	RD	PECOS	RD
170	2134	ARIZONA	AV	OCOTILLO	RD	QUEEN CREEK	RD
171	2138	ARIZONA	AV	CHANDLER	BLVD	RAY	RD

No.	MAG_INDEX	Street_On	SUF	ST_NAME1	SUF1	ST_NAME2	SUF2
172	1027	BASELINE	RD	40TH	ST	48TH	ST
173	1013	BASELINE	RD	75TH	AV	67TH	AV
174	1019	BASELINE	RD	27TH	AV	19TH	AV
175	1023	BASELINE	RD	7TH	ST	16TH	ST
176	1030	BASELINE	RD	PRIEST	DR	HARDY	DR
177	1034	BASELINE	RD	MCCLINTOCK	DR	PRICE	RD
178	1045	BASELINE	RD	LINDSAY	RD	VAL VISTA	DR
179	1038	BASELINE	RD	COUNTRY CLUB	DR	MESA	DR
180	1040	BASELINE	RD	STAPLEY	DR	GILBERT	RD
181	1052	BASELINE	RD	HAWES	RD	ELLSWORTH	RD
182	9001	BASELINE	RD	RECKER	RD	POWER	RD
183	7191	BASELINE	RD	APACHE	RD	RAINBOW	RD
184	1036	BASELINE	RD	DOBSON	RD	ALMA SCHOOL	RD
185	1047	BASELINE	RD	GREENFIELD	RD	HIGLEY	RD
186	90	BEARDSLEY	RD	CAVE CREEK	RD	32ND	ST
187	88	BEARDSLEY	RD	7TH	ST	16TH	ST
188	86	BEARDSLEY	RD	19TH	AV	7TH	AV
189	140	BELL	RD	40TH	ST	TATUM	BLVD
190	122	BELL	RD	115TH	AV	DEL WEBB	BLVD
191	115	BELL	RD	REEMS	RD	BULLARD	AV
192	142	BELL	RD	56TH	ST	64TH	ST
193	136	BELL	RD	7TH	ST	16TH	ST
194	124	BELL	RD	99TH	AV	91ST	AV
195	126	BELL	RD	83RD	AV	75TH	AV
196	128	BELL	RD	67TH	AV	59TH	AV
197	120	BELL	RD	R H JOHNSON	BLVD	EL MIRAGE	RD
198	134	BELL	RD	19TH	AV	7TH	AV
199	7499	BELL	RD	PIMA	RD	THOMPSON PEAK	PKW
200	138	BELL	RD	CAVE CREEK	RD	32ND	ST
201	130	BELL	RD	51ST	AV	43RD	AV
202	358	BETHANY HOME	RD	83RD	AV	75TH	AV
203	371	BETHANY HOME	RD	7TH	ST	12TH	ST
204	369	BETHANY HOME	RD	7TH	AV	CENTRAL	AV
205	366	BETHANY HOME	RD	117		19TH	AV
206	364	BETHANY HOME	RD	35TH	AV	27TH	AV
207	362	BETHANY HOME	RD	51ST	AV	43RD	AV
208	360	BETHANY HOME	RD	67TH	AV	59TH	AV
209	941	BROADWAY	RD	LINDSAY	RD	VAL VISTA	DR
210	931	BROADWAY	RD	MILL	AV	RURAL	RD
211	951	BROADWAY	RD	SIGNAL BUTTE	RD	MERIDIAN	DR
212	949	BROADWAY	RD	ELLSWORTH	RD	CRISMON	RD
213	947	BROADWAY	RD	SOSSAMAN	RD	HAWES	RD

No.	MAG_INDEX	Street_On	SUF	ST_NAME1	SUF1	ST_NAME2	SUF2
214	943	BROADWAY	RD	GREENFIELD	RD	HIGLEY	RD
215	919	BROADWAY	RD	27TH	AV	19TH	AV
216	937	BROADWAY	RD	COUNTRY CLUB	DR	MESA	DR
217	936	BROADWAY	RD	ALMA SCHOOL	RD	COUNTRY CLUB	DR
218	933	BROADWAY	RD	MCCLINTOCK	DR	PRICE	RD
219	9100	BROADWAY	RD	OGLESBY	RD	ROOKS	RD
220	935	BROADWAY	RD	DOBSON	RD	ALMA SCHOOL	RD
221	929	BROADWAY	RD	52ND	ST	PRIEST	DR
222	927	BROADWAY	RD	40TH	ST	48TH	ST
223	921	BROADWAY	RD	7TH	AV	CENTRAL	AV
224	939	BROADWAY	RD	STAPLEY	DR	GILBERT	RD
225	7281	BROWN	RD	92ND	ST	CRISMON	RD
226	797	BUCKEYE	RD	CENTRAL	AV	7TH	ST
227	792	BUCKEYE	RD	27TH	AV	I17	
228	791	BUCKEYE	RD	35TH	AV	27TH	AV
229	789	BUCKEYE	RD	51ST	AV	43RD	AV
230	785	BUCKEYE	RD	83RD	AV	75TH	AV
231	9311	BUSH	HWY	THOMAS	RD	USERY PASS	RD
232	2322	BUSH	HWY	BROWN	RD	MCKELLIPS	RD
233	2324	BUSH	HWY	MCDOWELL	RD	THOMAS	RD
234	2320	BUSH	HWY	MAIN	ST	UNIVERSITY	DR
235	204	CACTUS	RD	40TH	ST	TATUM	BLVD
236	210	CACTUS	RD	PIMA	RD	96TH	ST
237	208	CACTUS	RD	SCOTTSDALE	RD	HAYDEN	RD
238	206	CACTUS	RD	56TH	ST	64TH	ST
239	194	CACTUS	RD	75TH	AV	67TH	AV
240	200	CACTUS	RD	I17		19TH	AV
241	198	CACTUS	RD	43RD	AV	35TH	AV
242	196	CACTUS	RD	59TH	AV	51ST	AV
243	403	CAMELBACK	RD	51ST	AV	43RD	AV
244	407	CAMELBACK	RD	I17		19TH	AV
245	411	CAMELBACK	RD	3RD	AV	CENTRAL	AV
246	401	CAMELBACK	RD	67TH	AV	59TH	AV
247	395	CAMELBACK	RD	115TH	AV	107TH	AV
248	393	CAMELBACK	RD	DYSART	RD	EL MIRAGE	RD
249	397	CAMELBACK	RD	99TH	AV	91ST	AV
250	413	CAMELBACK	RD	7TH	ST	12TH	ST
251	420	CAMELBACK	RD	40TH	ST	44TH	ST
252	422	CAMELBACK	RD	48TH	ST	56TH	ST
253	424	CAMELBACK	RD	64TH	ST	68TH	ST
254	427	CAMELBACK	RD	MILLER	RD	HAYDEN	RD
255	3	CAREFREE	HWY	(WEST OF)	AV	51ST	AV
256	7	CAREFREE	HWY	16TH	ST	24TH	ST
257	9320	CAREFREE	HWY	(WEST OF)		LAKE PLEASANT	RD
258	9319	CAVE CREEK	RD	TOM DARLINGTON	DR	PIMA	RD

No.	MAG_INDEX	Street_On	SUF	ST_NAME1	SUF1	ST_NAME2	SUF2
259	1841	CAVE CREEK	RD	DEER VALLEY	RD	PINNACLE PEAK	RD
260	20304	CAVE CREEK	RD	DESERT MOUNTAIN	PKWY	BARTLETT DAM RD	
261	1845	CAVE CREEK	RD	TATUM	BLVD	LONE MOUNTAIN	RD
262	1837	CAVE CREEK	RD	GREENWAY	RD	BELL	RD
263	1846	CAVE CREEK	RD	LONE MOUNTAIN	RD	CAREFREE	HWY
264	1843	CAVE CREEK	RD	JOMAX	RD	DYNAMITE	BLVD
265	1839	CAVE CREEK	RD	UNION HILLS	DR	BEARDSLEY	RD
266	1833	CAVE CREEK	RD	DUNLAP	AV	PEORIA	AV
267	1847	CAVE CREEK	RD	CAREFREE	HWY	NEW RIVER	RD
268	1835	CAVE CREEK	RD	CACTUS	RD	THUNDERBIRD	RD
269	1746	CENTRAL	AV	DUNLAP	AV	HATCHER	RD
270	1740	CENTRAL	AV	CAMELBACK	RD	MISSOURI	AV
271	1737	CENTRAL	AV	THOMAS	RD	OSBORN	RD
272	1734	CENTRAL	AV	ROOSEVELT	ST	MCDOWELL	RD
273	1731	CENTRAL	AV	GRANT	ST	WASHINGTON	ST
274	1729	CENTRAL	AV	LOWER BUCKEYE	RD	BUCKEYE	RD
275	1727	CENTRAL	AV	SOUTHERN	AV	BROADWAY	RD
276	1154	CHANDLER	BLVD	PRICE	RD	DOBSON	RD
277	1150	CHANDLER	BLVD	56TH	ST	KYRENE	RD
278	1158	CHANDLER	BLVD	MCQUEEN	RD	COOPER	RD
279	1156	CHANDLER	BLVD	ALMA SCHOOL	RD	ARIZONA	AV
280	1147	CHANDLER	BLVD	40TH	ST	48TH	ST
281	1152	CHANDLER	BLVD	RURAL	RD	MCCLINTOCK	DR
282	1222	CHANDLER HEIGHTS	RD	ALMA SCHOOL	RD	ARIZONA	AV
283	1234	CHANDLER HEIGHTS	RD	HAWES	RD	ELLSWORTH	RD
284	1226	CHANDLER HEIGHTS	RD	GILBERT	RD	LINDSAY	RD
285	433	CHAPARRAL	RD	HAYDEN	RD	GRANITE REEF	RD
286	430	CHAPARRAL	RD	68TH	ST	SCOTTSDALE	RD
287	30320	CITRUS	RD	NORTHERN	AV	OLIVE	AV
288	2185	COOPER	RD	RAY	RD	WARNER	RD
289	2183	COOPER	RD	PECOS	RD	CHANDLER	BLVD
290	2187	COOPER	RD	ELLIOT	RD	GUADALUPE	RD
291	1272	COTTON	LA	MCDOWELL	RD	A303	
292	1276	COTTON	LA	BETHANY HOME	RD	GLENDALE	AV
293	1280	COTTON	LA	PEORIA	AV	CACTUS	RD
294	2150	COUNTRY CLUB	DR	MCKELLIPS	RD	MCDOWELL	RD
295	7245	CRISMON	RD	BROADWAY	RD	APACHE	TRL
296	2364	CRISMON	RD	BROWN	RD	MCKELLIPS	RD
297	8028	CURRY	RD	(WEST OF)		SCOTTSDALE	RD

No.	MAG_INDEX	Street_On	SUF	ST_NAME1	SUF1	ST_NAME2	SUF2
298	2792	DEER VALLEY	RD	83RD	AV	75TH	AV
299	2676	DEER VALLEY	RD	67TH	AV	59TH	AV
300	68	DEER VALLEY	RD	I17		19TH	AV
301	70	DEER VALLEY	RD	7TH	AV	7TH	ST
302	72	DEER VALLEY	RD	16TH	ST	CAVE CREEK	RD
303	1394	DEL WEBB	BLVD	TALISMAN	RD	BELL	RD
304	12	DIXILETA	DR	CAVE CREEK	RD	56ST	ST
305	1057	DOBBINS	RD	23RD	AV	19TH	AV
306	1060	DOBBINS	RD	CENTRAL	AV	7TH	ST
307	2083	DOBSON	RD	GERMANN	RD	PECOS	RD
308	2087	DOBSON	RD	WARNER	RD	ELLIOT	RD
309	2085	DOBSON	RD	CHANDLER	BLVD	RAY	RD
310	284	DOUBLETREE RANCH	RD	INVERGORDON	RD	SCOTTSDALE	RD
311	283	DOUBLETREE RANCH	RD	TATUM	BLVD	INVERGORDON	RD
312	278	DUNLAP	AV	I17		19TH	AV
313	15	DYNAMITE	BLVD	64TH	ST	SCOTTSDALE	RD
314	6005	DYNAMITE	BLVD	HAYDEN	RD	PIMA	RD
315	1351	DYSART	RD	OLIVE	AV	PEORIA	AV
316	1347	DYSART	RD	CAMELBACK	RD	BETHANY HOME	RD
317	1345	DYSART	RD	THOMAS	RD	INDIAN SCHOOL	RD
318	1361	EL MIRAGE	RD	GLENDALE	AV	NORTHERN	AV
319	1365	EL MIRAGE	RD	CACTUS	RD	WADDELL	RD
320	1359	EL MIRAGE	RD	CAMELBACK	RD	BETHANY HOME	RD
321	1367	EL MIRAGE	RD	BELL	RD	BEARDSLEY	RD
322	7288	ELLIOT	RD	SOSSAMAN	RD	ELLSWORTH	RD
323	1099	ELLIOT	RD	POWER	RD	SOSSAMAN	RD
324	10002	ELLIOT	RD	203RD	AV	ESTRELLA	PKY
325	1097	ELLIOT	RD	HIGLEY	RD	RECKER	RD
326	1085	ELLIOT	RD	RURAL	RD	MCCLINTOCK	DR
327	1089	ELLIOT	RD	ALMA SCHOOL	RD	ARIZONA	AV
328	1087	ELLIOT	RD	PRICE	RD	DOBSON	RD
329	1095	ELLIOT	RD	VAL VISTA	DR	GREENFIELD	RD
330	1093	ELLIOT	RD	GILBERT	RD	LINDSAY	RD
331	1083	ELLIOT	RD	56TH	ST	KYRENE	RD
332	1091	ELLIOT	RD	MCQUEEN	RD	COOPER	RD
333	2347	ELLSWORTH	RD	PECOS	RD	BAY	RD
334	2353	ELLSWORTH	RD	SOUTHERN	AV	BROADWAY	RD
335	2344	ELLSWORTH	RD	QUEEN CREEK	RD	GERMANN	RD
336	2341	ELLSWORTH	RD	CHANDLER HEIGHTS	RD	OCOTILLO	RD
337	2355	ELLSWORTH	RD	APACHE	TRL	UNIVERSITY	DR
338	2269	FOUNTAIN HILLS	BLVD	SAGUARO	BLVD	MCDOWELL MTN	RD

No.	MAG_INDEX	Street_On	SUF	ST_NAME1	SUF1	ST_NAME2	SUF2
339	2458	FRANK LLOYD WRIGHT	BLVD	104TH	ST	108TH	ST
340	2460	FRANK LLOYD WRIGHT	BLVD	PIMA	RD	96TH	ST
341	144	FRANK LLOYD WRIGHT	BLVD	SCOTTSDALE	RD	HAYDEN	RD
342	1198	GERMANN	RD	HAWES	RD	ELLSWORTH	RD
343	1194	GERMANN	RD	LINDSAY	RD	VAL VISTA	DR
344	1188	GERMANN	RD	DOBSON	RD	ALMA SCHOOL	RD
345	1192	GERMANN	RD	COOPER	RD	GILBERT	RD
346	7326	GILBERT	RD	THOMAS	RD	BEELINE	HWY
347	2207	GILBERT	RD	GUADALUPE	RD	BASELINE	RD
348	2205	GILBERT	RD	WARNER	RD	ELLIOT	RD
349	2201	GILBERT	RD	GERMANN	RD	PECOS	RD
350	2197	GILBERT	RD	RIGGS	RD	CHANDLER HEIGHTS	RD
351	328	GLENDALE	AV	59TH	AV	51ST	AV
352	336	GLENDALE	AV	7TH	AV	CENTRAL	AV
353	330	GLENDALE	AV	43RD	AV	35TH	AV
354	326	GLENDALE	AV	75TH	AV	67TH	AV
355	324	GLENDALE	AV	91ST	AV	83RD	AV
356	318	GLENDALE	AV	LITCHFIELD	RD	DYSART	RD
357	9008	GLENDALE	AV	GLEN HARBOR	BLVD	99TH	AV
358	9009	GLENDALE	AV	EL MIRAGE	RD	GLEN HARBOR	BLVD
359	333	GLENDALE	AV	117		19TH	AV
360	9322	GOLDFIELD	RD	BROADWAY	AV	SUPERSTITION	BLVD
361	7340	GREENFIELD	RD	CHANDLER HEIGHTS	RD	OCOTILLO	RD
362	2255	GREENFIELD	RD	ELLIOT	RD	GUADALUPE	RD
363	7346	GREENFIELD	RD	QUEEN CREEK	RD	GERMANN	RD
364	2251	GREENFIELD	RD	PECOS	RD	WILLIAMS FIELD	RD
365	2253	GREENFIELD	RD	RAY	RD	WARNER	RD
366	2758	GREENWAY	PKWY	7TH	ST	16TH	ST
367	2757	GREENWAY	PKWY	7TH	AV	7TH	ST
368	153	GREENWAY	RD	CAVE CREEK	RD	32ND	ST
369	148	GREENWAY	RD	59TH	AV	51ST	AV
370	155	GREENWAY	RD	40TH	ST	TATUM	BLVD
371	30318	GREEWAY	RD	REEMS	RD	BULLARD	RD
372	1078	GUADALUPE	RD	HIGLEY	RD	RECKER	RD
373	1064	GUADALUPE	RD	56TH	ST	KYRENE	RD
374	1066	GUADALUPE	RD	RURAL	RD	MCCLINTOCK	DR
375	1072	GUADALUPE	RD	MCQUEEN	RD	COOPER	RD
376	1074	GUADALUPE	RD	GILBERT	RD	LINDSAY	RD
377	1076	GUADALUPE	RD	VAL VISTA	DR	GREENFIELD	RD
378	24	HAPPY VALLEY	RD	19TH	AV	7TH	AV
379	20	HAPPY VALLEY	RD	51ST	AV	43RD	AV

No.	MAG_INDEX	Street_On	SUF	ST_NAME1	SUF1	ST_NAME2	SUF2
380	25	HAPPY VALLEY	RD	PIMA	RD	ALMA SCHOOL	RD
381	1941	HARDY	DR	SOUTHERN	AV	BROADWAY	RD
382	1943	HARDY	DR	UNIVERSITY	DR	5TH	ST
383	2337	HAWES	RD	CHANDLER HEIGHTS	RD	OCOTILLO	RD
384	2032	HAYDEN	RD	MCKELLIPS	RD	MCDOWELL	RD
385	2044	HAYDEN	RD	SHEA	BLVD	CACTUS	RD
386	2042	HAYDEN	RD	VIA DE VENTURA		MOUNTAIN VIEW	RD
387	2047	HAYDEN	RD	REDFIELD	RD	FRANK LLOYD WRIGHT	BLVD
388	2035	HAYDEN	RD	OSBORN	RD	INDIAN SCHOOL	RD
389	2038	HAYDEN	RD	CHAPARRAL	RD	MCDONALD	DR
390	2040	HAYDEN	RD	INDIAN BEND	RD	MCCORMICK	PKWY
391	2285	HIGLEY	RD	GUADALUPE	RD	BASELINE	RD
392	2283	HIGLEY	RD	WARNER	RD	ELLIOT	RD
393	2277	HIGLEY	RD	OCOTILLO	RD	QUEEN CREEK	RD
394	1245	HUNT	HWY	MCQUEEN	RD	COOPER	RD
395	2383	IDAHO	RD	SOUTHERN	AV	BROADWAY	AV
396	2668	INCA	AVE	FOUNTAIN HILLS	BLVD	ARROYO VISTA	DR
397	341	INDIAN BEND	RD	SCOTTSDALE	RD	HAYDEN	RD
398	460	INDIAN SCHOOL	RD	67TH	AV	59TH	AV
399	454	INDIAN SCHOOL	RD	111TH	AV	107TH	AV
400	458	INDIAN SCHOOL	RD	83RD	AV	75TH	AV
401	452	INDIAN SCHOOL	RD	DYSART	RD	EL MIRAGE	RD
402	467	INDIAN SCHOOL	RD	19TH	AV	15TH	AV
403	464	INDIAN SCHOOL	RD	35TH	AV	27TH	AV
404	477	INDIAN SCHOOL	RD	20TH	ST	24TH	ST
405	483	INDIAN SCHOOL	RD	52ND	ST	56TH	ST
406	490	INDIAN SCHOOL	RD	GRANITE REEF	RD	PIMA	RD
407	8004	INDIAN SCHOOL	RD	SCOTTSDALE	RD	HAYDEN	RD
408	462	INDIAN SCHOOL	RD	51ST	AV	43RD	AV
409	472	INDIAN SCHOOL	RD	3RD	ST	7TH	ST
410	1956	INVERGORDON	RD	DOUBLETREE RANCH	RD	SHEA	BLVD
411	1953	INVERGORDON	RD	CHAPARRAL	RD	MCDONALD	DR
412	2378	IRONWOOD	DR	APACHE	TRL	SUPERSTITION	BLVD
413	2380	IRONWOOD	DR	LOST DUTCHMAN	BLVD	MCKELLIPS	RD
414	2376	IRONWOOD	DR	SOUTHERN	AV	BROADWAY	AV
415	1258	JACKRABBIT	TRL	MCDOWELL	RD	INDIAN SCHOOL	RD
416	751	JEFFERSON	ST	I17		19TH	AV
417	758	JEFFERSON	ST	7TH	ST	12TH	ST
418	755	JEFFERSON	ST	3RD	AV	CENTRAL	AV
419	1948	KYRENE	RD	WARNER	RD	ELLIOT	RD
420	1950	KYRENE	RD	GUADALUPE	RD	BASELINE	RD

No.	MAG_INDEX	Street_On	SUF	ST_NAME1	SUF1	ST_NAME2	SUF2
421	1946	KYRENE	RD	CHANDLER	BLVD	RAY	RD
422	30319	L303		BELL	RD	UNION HILL	RD
423	1	LAKE PLEASANT	RD	(NORTH OF)		CAREFREE	HWY
424	2730	LAKE PLEASANT	RD	JOMAX	RD	CAREFREE HIGHWAY	
425	353	LINCOLN	DR	TATUM	BLVD	56TH	ST
426	349	LINCOLN	DR	(WEST OF)	ST	24TH	ST
427	7414	LINDSAY	RD	OCOTILLO	RD	QUEEN CREEK	RD
428	2222	LINDSAY	RD	GUADALUPE	RD	BASELINE	RD
429	2220	LINDSAY	RD	WARNER	RD	ELLIOT	RD
430	7412	LINDSAY	RD	GERMANN	RD	PECOS	RD
431	1321	LITCHFIELD	RD	YUMA	RD	VAN BUREN	ST
432	1335	LITCHFIELD	RD	GREENWAY	RD	BELL	RD
433	1331	LITCHFIELD	RD	OLIVE	AV	PEORIA	AV
434	1324	LITCHFIELD	RD	THOMAS	RD	INDIAN SCHOOL	RD
435	1326	LITCHFIELD	RD	CAMELBACK	RD	CLAREMONT	ST
436	6004	LONE MOUNTAIN	RD	SCOTTSDALE	RD	PIMA	RD
437	821	LOST DUTCHMAN	BLVD	IDAHO	RD	TOMAHAWK	RD
438	819	LOST DUTCHMAN	BLVD	MERIDIAN	DR	IRONWOOD	DR
439	844	LOWER BUCKEYE	RD	27TH	AV	19TH	AV
440	841	LOWER BUCKEYE	RD	51ST	AV	43RD	AV
441	883	MAIN	ST	MESA	DR	STAPLEY	DR
442	2022	MCCLINTOCK	DR	ELLIOT	RD	GUADALUPE	RD
443	2020	MCCLINTOCK	DR	RAY	RD	WARNER	RD
444	317	MCCORMICK	PKWY	SCOTTSDALE	RD	HAYDEN	RD
445	378	MCDONALD	DR	HAYDEN	RD	GRANITE REEF	RD
446	376	MCDONALD	DR	INVERGORDON	RD	SCOTTSDALE	RD
447	375	MCDONALD	DR	TATUM	BLVD	INVERGORDON	RD
448	570	MCDOWELL	RD	LITCHFIELD	RD	DYSART	RD
449	612	MCDOWELL	RD	STAPLEY	DR	GILBERT	RD
450	609	MCDOWELL	RD	DOBSON	RD	ALMA SCHOOL	RD
451	607	MCDOWELL	RD	HAYDEN	RD	PIMA	RD
452	603	MCDOWELL	RD	64TH	ST	68TH	ST
453	597	MCDOWELL	RD	32ND	ST	36TH	ST
454	591	MCDOWELL	RD	3RD	ST	7TH	ST
455	584	MCDOWELL	RD	27TH	AV	I17	
456	582	MCDOWELL	RD	43RD	AV	35TH	AV
457	578	MCDOWELL	RD	75TH	AV	67TH	AV
458	574	MCDOWELL	RD	107TH	AV	99TH	AV
459	595	MCDOWELL	RD	A51		24TH	ST

No.	MAG_INDEX	Street_On	SUF	ST_NAME1	SUF1	ST_NAME2	SUF2
460	564	MCDOWELL	RD	PERRYVILLE	RD	CITRUS	RD
461	576	MCDOWELL	RD	91ST	AV	83RD	AV
462	586	MCDOWELL	RD	19TH	AV	15TH	AV
463	709	MCKELLIPS	RD	MILLER	RD	HAYDEN	RD
464	2165	MCQUEEN	RD	CHANDLER	BLVD	RAY	RD
465	2167	MCQUEEN	RD	WARNER	RD	ELLIOT	RD
466	2169	MCQUEEN	RD	GUADALUPE	RD	BASELINE	RD
467	2161	MCQUEEN	RD	OCOTILLO	RD	QUEEN CREEK	RD
468	2163	MCQUEEN	RD	GERMANN	RD	PECOS	RD
469	2369	MERIDIAN	DR	SOUTHERN	AV	BROADWAY	RD
470	2371	MERIDIAN	DR	APACHE	TRL	SUPERSTITION	BLVD
471	2171	MESA	DR	US60		SOUTHERN	AV
472	2173	MESA	DR	BROADWAY	RD	MAIN	ST
473	2175	MESA	DR	UNIVERSITY	DR	BROWN	RD
474	2177	MESA	DR	MCKELLIPS	RD	MCDOWELL	RD
475	1966	MILL	AV	APACHE	BLVD	UNIVERSITY	DR
476	1967	MILL	AV	UNIVERSITY	DR	CURRY	RD
477	1964	MILL	AV	SOUTHERN	AV	BROADWAY	RD
478	7440	MILLER	RD	LOWER BUCKEYE	RD	YUMA	RD
479	2015	MILLER	RD	OSBORN	RD	INDIAN SCHOOL	RD
480	1975	MOCKINGBIRD	LA	LINCOLN	DR	NORTHERN	AV
481	2400	MOUNTAIN VIEW	RD	BROADWAY	AV	SUPERSTITION	BLVD
482	20031	NEW RIVER	RD	(WEST OF)		I17	
483	299	NORTHERN	AV	91ST	AV	83RD	AV
484	288	NORTHERN	AV	CITRUS	RD	COTTON	LA
485	294	NORTHERN	AV	DYSART	RD	EL MIRAGE	RD
486	301	NORTHERN	AV	75TH	AV	67TH	AV
487	303	NORTHERN	AV	59TH	AV	51ST	AV
488	305	NORTHERN	AV	43RD	AV	35TH	AV
489	308	NORTHERN	AV	I17		19TH	AV
490	312	NORTHERN	AV	7TH	ST	12TH	ST
491	291	NORTHERN	AV	REEMS	RD	143RD	AV
492	7247	OCOTILLO	RD	CRISMON	RD	SIGNAL BUTTE	RD
493	274	OLIVE	AV	59TH	AV	51ST	AV
494	7216	OSBORN	RD	THOMAS	RD	INDIAN SCHOOL	RD
495	8001	PALISADES	BLVD	SHEA	BLVD	GOLDEN EAGLE	BLVD
496	1184	PECOS	RD	LINDSAY	RD	VAL VISTA	DR
497	20301	PECOS	RD	32ND	ST	40TH	ST
498	20300	PECOS	RD	7TH	ST	24TH	ST
499	1178	PECOS	RD	DOBSON	RD	ALMA SCHOOL	RD
500	1180	PECOS	RD	ARIZONA	AV	MCQUEEN	RD
501	7343	PECOS	RD	GREENFIELD	RD	HIGLEY	RD
502	228	PEORIA	AV	43RD	AV	35TH	AV
503	222	PEORIA	AV	91ST	AV	GRAND	AV

No.	MAG_INDEX	Street_On	SUF	ST_NAME1	SUF1	ST_NAME2	SUF2
504	226	PEORIA	AV	59TH	AV	51ST	AV
505	7500	PIMA	RD	BELL	RD	UNION HILLS	DR
506	2777	PIMA	RD	DYNAMITE	BLVD	LONE MOUNTAIN	RD
507	2075	PIMA	RD	CACTUS	RD	THUNDERBIRD	RD
508	2081	PIMA	RD	LONE MOUNTAIN	RD	CAVE CREEK	RD
509	2080	PIMA	RD	HAPPY VALLEY	RD	DIXILETA	DR
510	2778	PIMA	RD	PINNACLE PEAK	RD	HAPPY VALLEY	RD
511	61	PINNACLE PEAK	RD	SCOTTSDALE	RD	PIMA	RD
512	59	PINNACLE PEAK	RD	56TH	ST	64TH	ST
513	57	PINNACLE PEAK	RD	(WEST OF)	ST	TATUM	BLVD
514	2771	PINNACLE PEAK	RD	I 17	AV	19TH	AV
515	2310	POWER	RD	RITTENHOUSE	RD	WILLIAMS FIELD	RD
516	2318	POWER	RD	SOUTHERN	AV	BROADWAY	RD
517	2316	POWER	RD	BASELINE	RD	US60	
518	1927	PRIEST	DR	BASELINE	RD	SOUTHERN	AV
519	1929	PRIEST	DR	BROADWAY	RD	UNIVERSITY	DR
520	1931	PRIEST	DR	RIO SALADO	PKWY	WASHINGTON	ST
521	9310	QUEEN CREEK	RD	I-10		PRICE	RD
522	7248	QUEEN CREEK	RD	CRISMON	RD	SIGNAL BUTTE	RD
523	1202	QUEEN CREEK	RD	ALMA SCHOOL	RD	ARIZONA	AV
524	1338	R H JOHNSON	BLVD	128TH	AV	CAMINO DEL SOL	
525	7524	RAINBOW	RD	SOUTHERN	AV	BROADWAY	RD
526	1133	RAY	RD	ALMA SCHOOL	RD	ARIZONA	AV
527	1135	RAY	RD	MCQUEEN	RD	COOPER	RD
528	1137	RAY	RD	GILBERT	RD	LINDSAY	RD
529	1127	RAY	RD	56TH	ST	KYRENE	RD
530	1129	RAY	RD	RURAL	RD	MCCLINTOCK	DR
531	1131	RAY	RD	PRICE	RD	DOBSON	RD
532	7530	RECKER	RD	ELLIOT	RD	GUADALUPE	RD
533	30321	REEMS	RD	GREENWAY	RD	BELL	RD
534	1309	REEMS	RD	PEORIA	AV	CACTUS	RD
535	1241	RIGGS	RD	MCQUEEN	RD	COOPER	RD
536	7423	RIGGS	RD	(WEST OF)		MARICOPA	RD
537	7347	RIGGS	RD	HAWES	RD	ELLSWORTH	RD
538	6006	RIO VERDE	PKWY	118TH	ST	136TH	ST
539	1169	RITTENHOUSE	RD	RECKER	RD	POWER	RD
540	1171	RITTENHOUSE	RD	SOSSAMAN	RD	HAWES	RD
541	7249	RITTENHOUSE	RD	CRISMON	RD	SIGNAL BUTTE	RD
542	1979	RURAL	RD	ELLIOT	RD	GUADALUPE	RD
543	1983	RURAL	RD	SOUTHERN	AV	BROADWAY	RD
544	1977	RURAL	RD	RAY	RD	WARNER	RD

No.	MAG_INDEX	Street_On	SUF	ST_NAME1	SUF1	ST_NAME2	SUF2
545	2271	SAGUARO	BLVD	AMHURST	DR	PALISADES	BLVD
546	1997	SCOTTSDALE	RD	INDIAN BEND	RD	MCCORMICK	PKWY
547	2009	SCOTTSDALE	RD	DIXILETA	DR	LONE MOUNTAIN	RD
548	2006	SCOTTSDALE	RD	PINNACLE PEAK	RD	HAPPY VALLEY	RD
549	2005	SCOTTSDALE	RD	UNION HILLS	DR	PINNACLE PEAK	RD
550	2003	SCOTTSDALE	RD	GREENWAY	RD	FRANK LLOYD WRIGHT	BLVD
551	1999	SCOTTSDALE	RD	DOUBLETREE RANCH	RD	SHEA	BLVD
552	8007	SCOTTSDALE	RD	THOMAS	RD	INDIAN SCHOOL	RD
553	8008	SCOTTSDALE	RD	CAMELBACK	RD	CHAPARRAL	RD
554	1995	SCOTTSDALE	RD	MCDONALD	DR	LINCOLN	DR
555	1989	SCOTTSDALE	RD	MCKELLIPS	RD	MCDOWELL	RD
556	1987	SCOTTSDALE	RD	1ST	ST	CURRY	RD
557	2001	SCOTTSDALE	RD	CACTUS	RD	THUNDERBIRD	RD
558	244	SHEA	BLVD	120TH	ST	128TH	ST
559	232	SHEA	BLVD	24TH	ST	32ND	ST
560	234	SHEA	BLVD	40TH	ST	TATUM	BLVD
561	238	SHEA	BLVD	SCOTTSDALE	RD	HAYDEN	RD
562	242	SHEA	BLVD	104TH	ST	112TH	ST
563	246	SHEA	BLVD	142S	ST	PALISADES BLVD	BLVD
564	240	SHEA	BLVD	PIMA	RD	96TH	ST
565	2367	SIGNAL BUTTE	RD	UNIVERSITY	DR	BROWN	RD
566	2791	SKY HARBOR	BLVD	24TH	ST	40TH	ST
567	963	SOUTHERN	AV	27TH	AV	19TH	AV
568	7250	SOUTHERN	AV	CRISMON	RD	SIGNAL BUTTE	RD
569	967	SOUTHERN	AV	7TH	ST	16TH	ST
570	9107	SOUTHERN	AV	WATSON	RD	RAINBOW	RD
571	965	SOUTHERN	AV	7TH	AV	CENTRAL	AV
572	969	SOUTHERN	AV	24TH	ST	32ND	ST
573	973	SOUTHERN	AV	PRIEST	DR	MILL	AV
574	975	SOUTHERN	AV	RURAL	RD	MCCLINTOCK	DR
575	959	SOUTHERN	AV	59TH	AV	51ST	AV
576	770	SR 85		PERRYVILLE	RD	COTTON	LA
577	771	SR 85		COTTON	LA	ESTRELLA	PKWY
578	9315	SR85		HAZEN	RD	BELOAT	RD
579	6008	SR85		AIRPORT	RD	JACKRABBIT	TRL
580	30311	SUN VALLEY	PKWY	OLIVER	AV	PEORIA	AVE
581	30322	SUN VALLEY	PKWY	WATSON	RD	RAINBOW	RD
582	870	SUPERSTITION	BLVD	MERIDIAN	DR	IRONWOOD	DR
583	872	SUPERSTITION	BLVD	IDAHO	RD	APACHE	TRL
584	1911	TATUM	BLVD	LINCOLN	DR	MOCKINGBIRD	LN
585	2761	TATUM	BLVD	UNION HILLS	DR	PINNACLE PEAK	RD
586	1918	TATUM	BLVD	BELL	RD	UNION HILLS	DR
587	2762	TATUM	BLVD	PINNACLE PEAK	RD	JOMAX	RD
588	1916	TATUM	BLVD	THUNDERBIRD	RD	GREENWAY	RD

No.	MAG_INDEX	Street_On	SUF	ST_NAME1	SUF1	ST_NAME2	SUF2
589	518	THOMAS	RD	115TH	AV	107TH	AV
590	520	THOMAS	RD	99TH	AV	91ST	AV
591	522	THOMAS	RD	83RD	AV	75TH	AV
592	526	THOMAS	RD	51ST	AV	43RD	AV
593	528	THOMAS	RD	35TH	AV	27TH	AV
594	530	THOMAS	RD	I17		19TH	AV
595	540	THOMAS	RD	A51		24TH	ST
596	551	THOMAS	RD	76TH	ST	HAYDEN	RD
597	542	THOMAS	RD	32ND	ST	36TH	ST
598	546	THOMAS	RD	48TH	ST	56TH	ST
599	547	THOMAS	RD	56TH	ST	64TH	ST
600	549	THOMAS	RD	68TH	ST	SCOTTSDALE	RD
601	7265	THOMAS	RD	ALMA SCHOOL	RD	COUNTRY CLUB	DR
602	8020	THOMAS	RD	7TH	AV	CENTRAL	AV
603	555	THOMAS	RD	DOBSON	RD	ALMA SCHOOL	RD
604	554	THOMAS	RD	PIMA	RD	92ND	ST
605	537	THOMAS	RD	7TH	ST	12TH	ST
606	9313	THUNDERBIRD	RD	PIMA	RD	96TH	ST
607	186	THUNDERBIRD	RD	PIMA	RD	96TH	ST
608	182	THUNDERBIRD	RD	TATUM	BLVD	56TH	ST
609	180	THUNDERBIRD	RD	32ND	ST	40TH	ST
610	179	THUNDERBIRD	RD	7TH	ST	CAVE CREEK	RD
611	177	THUNDERBIRD	RD	19TH	AV	7TH	AV
612	173	THUNDERBIRD	RD	51ST	AV	43RD	AV
613	171	THUNDERBIRD	RD	67TH	AV	59TH	AV
614	169	THUNDERBIRD	RD	83RD	AV	75TH	AV
615	175	THUNDERBIRD	RD	35TH	AV	I17	
616	7568	TOM DARLINGTON	DR	CAREFREE	HWY	CAVE CREEK	RD
617	2393	TOMAHAWK	RD	BROADWAY	AV	SUPERSTITION	BLVD
618	2390	TOMAHAWK	RD	US60		SOUTHERN	AV
619	2394	TOMAHAWK	RD	SUPERSTITION	BLVD	APACHE	TRL
620	102	UNION HILLS	DR	51ST	AV	43RD	AV
621	104	UNION HILLS	DR	35TH	AV	I17	
622	108	UNION HILLS	DR	7TH	ST	16TH	ST
623	110	UNION HILLS	DR	CAVE CREEK	RD	32ND	ST
624	111	UNION HILLS	DR	32ND	ST	40TH	ST
625	100	UNION HILLS	DR	67TH	AV	59TH	AV
626	8011	UNIVERSITY	DR	COUNTRY CLUB	DR	CENTER	ST
627	8009	UNIVERSITY	DR	DOBSON	RD	ALMA SCHOOL	RD
628	868	UNIVERSITY	DR	CRISMON	RD	SIGNAL BUTTE	RD
629	862	UNIVERSITY	DR	HIGLEY	RD	RECKER	RD
630	860	UNIVERSITY	DR	VAL VISTA	DR	GREENFIELD	RD
631	858	UNIVERSITY	DR	GILBERT	RD	LINDSAY	RD
632	856	UNIVERSITY	DR	MESA	DR	STAPLEY	DR
633	852	UNIVERSITY	DR	PRICE	RD	DOBSON	RD

No.	MAG_INDEX	Street_On	SUF	ST_NAME1	SUF1	ST_NAME2	SUF2
634	850	UNIVERSITY	DR	RURAL	RD	MCCLINTOCK	DR
635	848	UNIVERSITY	DR	PRIEST	DR	MILL	AV
636	847	UNIVERSITY	DR	48TH	ST	PRIEST	DR
637	846	UNIVERSITY	DR	40TH	ST	HOHOKAM	FRWY
638	866	UNIVERSITY	DR	HAWES	RD	ELLSWORTH	RD
639	864	UNIVERSITY	DR	BUSH	HWY	SOSSAMAN	RD
640	8035	US60		SUPERSTITION MOUNTAIN	DR	BASELINE	AV
641	907	US89		TOMAHAWK	RD	GOLDFIELD	RD
642	905	US89		IDAHO	RD	BROADWAY	AV
643	2360	USERY PASS	RD	USERY PARK	RD	BUSH	HWY
644	2239	VAL VISTA	DR	ELLIOT	RD	GUADALUPE	RD
645	2233	VAL VISTA	DR	QUEEN CREEK	RD	GERMANN	RD
646	2237	VAL VISTA	DR	RAY	RD	WARNER	RD
647	7095	VAN BUREN	ST	HOHOKAM	FWY	48TH	ST
648	678	VAN BUREN	ST	EL MIRAGE	RD	115TH	AV
649	682	VAN BUREN	ST	91ST	AV	83RD	AV
650	686	VAN BUREN	ST	59TH	AV	51ST	AV
651	688	VAN BUREN	ST	43RD	AV	35TH	AV
652	699	VAN BUREN	ST	12TH	ST	16TH	ST
653	700	VAN BUREN	ST	16TH	ST	20TH	ST
654	697	VAN BUREN	ST	3RD	ST	7TH	ST
655	692	VAN BUREN	ST	19TH	AV	15TH	AV
656	286	VIA DE VENTURA		BUTLER	DR	HAYDEN	RD
657	253	VIA LINDA		96TH	ST	104TH	ST
658	7316	VIA LINDA		108TH	ST	FRANK LLOYD WRIGHT	BLVD
659	1114	WARNER	RD	MCQUEEN	RD	COOPER	RD
660	1120	WARNER	RD	HIGLEY	RD	RECKER	RD
661	1106	WARNER	RD	PRIEST	DR	KYRENE	RD
662	1112	WARNER	RD	ALMA SCHOOL	RD	ARIZONA	AV
663	1110	WARNER	RD	PRICE	RD	DOBSON	RD
664	1116	WARNER	RD	GILBERT	RD	LINDSAY	RD
665	1108	WARNER	RD	RURAL	RD	MCCLINTOCK	DR
666	7597	WARNER	RD	SOSSAMAN	RD	ELLSWORTH	RD
667	1118	WARNER	RD	VAL VISTA	DR	GREENFIELD	RD
668	2752	WARNER/ELLIOT	LP	JICARILLA	ST	48TH	ST
669	739	WASHINGTON	ST	7TH	ST	12TH	ST
670	744	WASHINGTON	ST	32ND	ST	40TH	ST
671	746	WASHINGTON	ST	44TH	ST	48TH	ST
672	749	WASHINGTON	ST	PRIEST	DR	MILL	AV
673	7096	WASHINGTON	ST	48TH	ST	A202	
674	734	WASHINGTON	ST	15TH	AV	7TH	AV

No.	MAG_INDEX	Street_On	SUF	ST_NAME1	SUF1	ST_NAME2	SUF2
675	9106	WATSON	RD	LOWER BUCKEYE	RD	YUMA	RD
676	7525	YUMA	RD	RAINBOW	RD	DEAN	RD
677	98	UNION HILLS	DR	83RD	AV	75TH	AV

APPENDIX G:

Database /Table format

MAG LocationID	DirectionID	TimeofCount	TotalCount	LightVehicleCount	Medium TruckCount	Heavy TruckCount
1	EB	12:00 AM	10	6	2	2
1	EB	12:15 AM	12	7	2	5
...
1	WB	12:00 AM	...	...	...	...
1	WB	12:15 AM	...	...	...	...
...
2	EB	12:00 AM	...	...	...	...
2	EB	12:15 AM	...	...	...	...